



Serial No.: 09/626,096
Filed: July 26, 2000

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of all claims in the application.

Listing of Claims

Claims 1-56 (Canceled)

57. **(Currently Amended)** A method of determining the ~~identification of a nucleotide~~
~~at a detection position in a target sequence~~ the genotype of an individual comprising:
- a) Providing a target sequence from said individual;
 - b) providing an electrode comprising ~~a covalently attached~~ capture probes,
wherein each capture probe has [[with]] a sequence substantially
complementary to a first domain of said target sequence;
 - c) providing a first label probe comprising a first base at an interrogation
position and a first ETM with a first redox potential;
 - d) providing a second label probe comprising a second base at an
interrogation position and a second ETM with a second redox potential;
 - e) forming [[a]] hybridization complexes, wherein each, independently of the
others, comprises ~~comprising~~ said target sequence, ~~at least one of said~~
label probes, and said capture probe; and
 - f) determining the genotype of an individual ~~nucleotide at said detection~~
~~position by detecting said ETMs.~~

58. **(New)** The method of Claim 57 wherein said method further comprises providing a
third label probe comprising a third base at an interrogation position and a third ETM with a
third redox potential.

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59. (New) The method of Claim 58 wherein said method further comprises providing a fourth label probe comprising a fourth base at an interrogation position and a fourth ETM with a fourth redox potential.